number differential. The detected port number differential is transferred to port number differential information transmitter 69. Detecting method of port number differential is not limited to these examples, but the port number differential may be detected by any other method. The number of port number differential detecting packets used in transmission of detection of port number differential is not limited to 4, but may be freely changed within a range of detecting the port number differential.

Please replace the paragraph, beginning at page 28, line 16, with the following rewritten paragraph:

(Step S307) Range detection packet transmitter 13 sends the range detecting packet to second server 7 by way of first communication control unit 3. This range detecting packet is received in range detector 66 by way of communication unit 71 and communication unit 61. In the case of possibility of AS NAT being used in first communication control unit 3, it is required to send the range detecting packet to second server 7 in this manner, but if there is no possibility of AS NAT being used in first communication control unit 3, the rang range detecting packet after transmission of bubble packet may be also sent to first server 6. In this case, same as in step S305, the range detecting packet is transmitted or received by using, for example, a port of first information processor 1 not used so-far in communication with first server 6. Thus transmitted range detecting packet is received in range detector 66 of first server 6. Range detector 66 detects the position of the port of first communication control unit 3 used in transmission of range detecting packet.